

GREEN INFRASTRUCTURE (GI) IMPLEMENTATION ANALYSIS AND CALCULATION SCHOLARSPACE CONTENTS

NREM 601: Systems Analysis of NREM

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The following files are included in the project folder on ScholarSpace:

<https://scholarspace.manoa.hawaii.edu/handle/10125/61635>

Database for Wailupe Watershed (Protected)

An excel workbook that contains the database that includes the compilation of the green infrastructure calculations. The workbook is protected so that only user input values can be changed. The password to unlock the database is "database."

Database for Wailupe Watershed (Editable Version)

An excel workbook that contains the database that includes the compilation of the green infrastructure calculations. The workbook is not protected, so that all cells and any formulas may be changed as needed.

Green Infrastructure Database How-To Guide

A step-by-step guide that walks through the process of finding site information, delineating land areas and using all of the tabs of the Wailupe Database.

Wailupe Non-Residential Site Screenshots

This folder contains screenshots from both ArcGIS and Google Earth of the non-residential sites within the Wailupe watershed that have "Site Description information" included in the Wailupe Database. The photos are named according to the TMK number and a short site description.

Shapefiles for Maunalua Bay Area Watersheds

Shapefiles with the TMK data for the Maunalua Bay area watersheds that can be imported into ArcGIS or Google Earth. The shapefiles were clipped to include the data for each watershed for smaller sizes to import into GIS or Google Earth. The "Wailupe_ExampleSites_AreaDelineation" shapefile includes the delineated areas for the 8 example sites performed by our group.

Examples of Green Infrastructure Implementation

Slides that show the screenshots of the 8 example delineated sites for the Wailupe watershed and the proposed GI implementation from our group.

Green Values National Stormwater Management Calculator_Methodology

The pdf for the Green Values National Stormwater Management Calculator that our group used for the calculation of "Volume Reduction Potential" for roof GI implementation within the Wailupe Database.